TOSTO 5026260

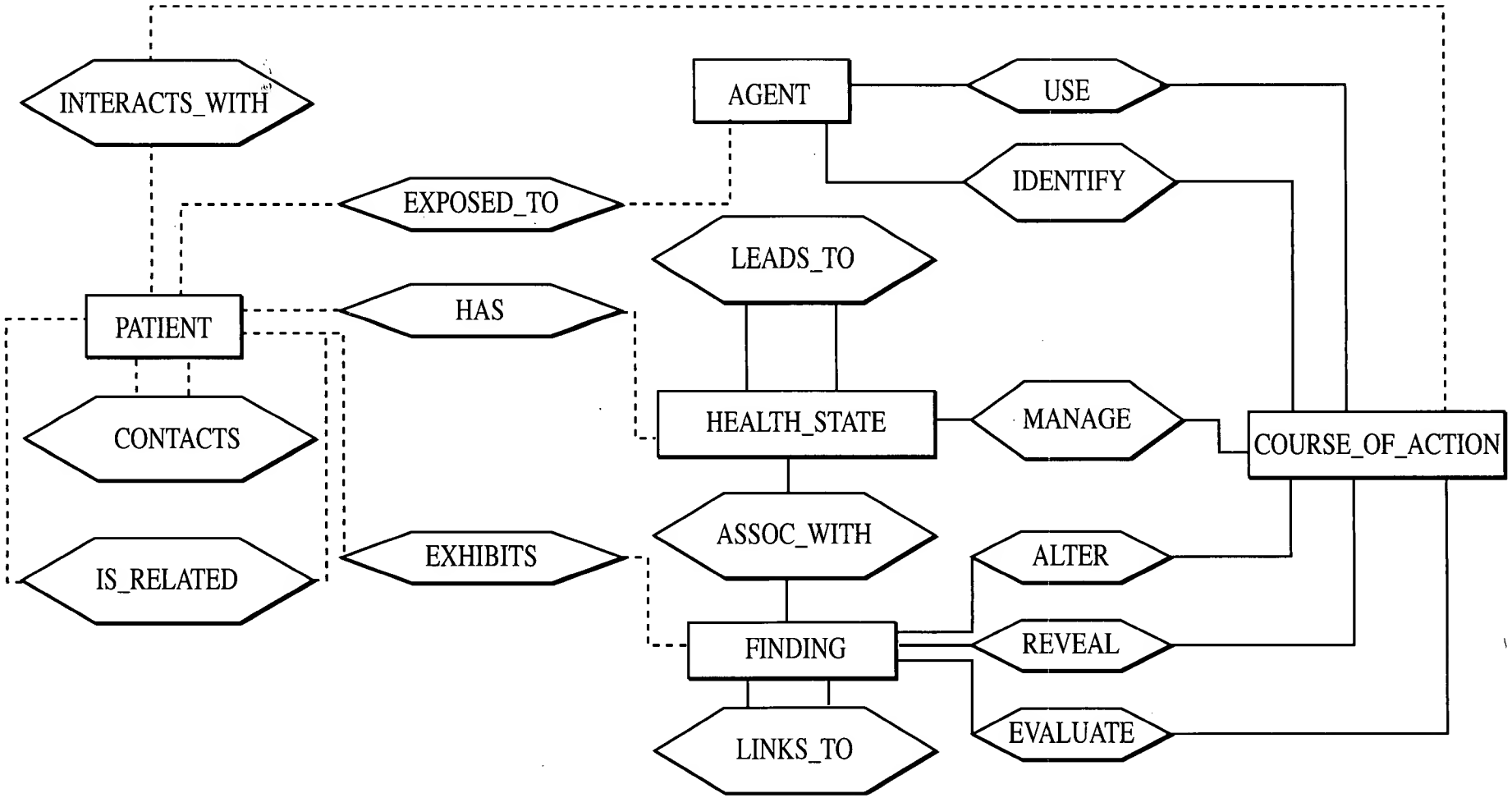



FIG. 1

09/759205

TOSTO 5026560

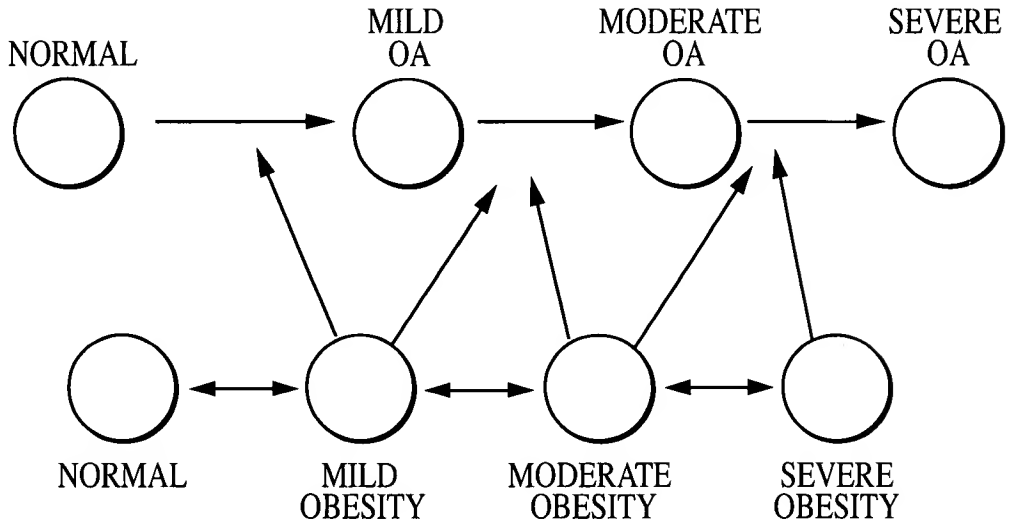



FIG. 2

TOSTO" 50265260

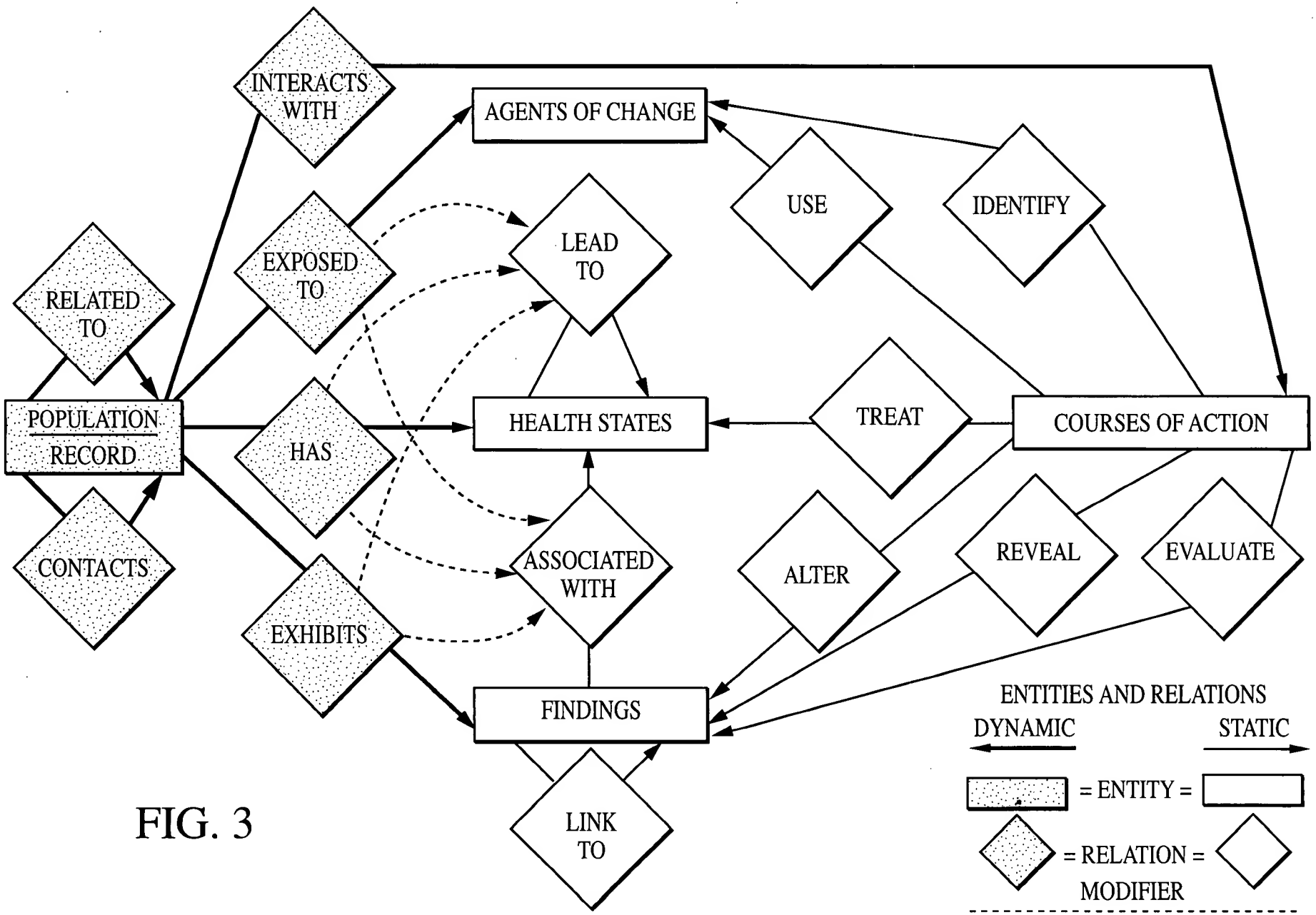



FIG. 3

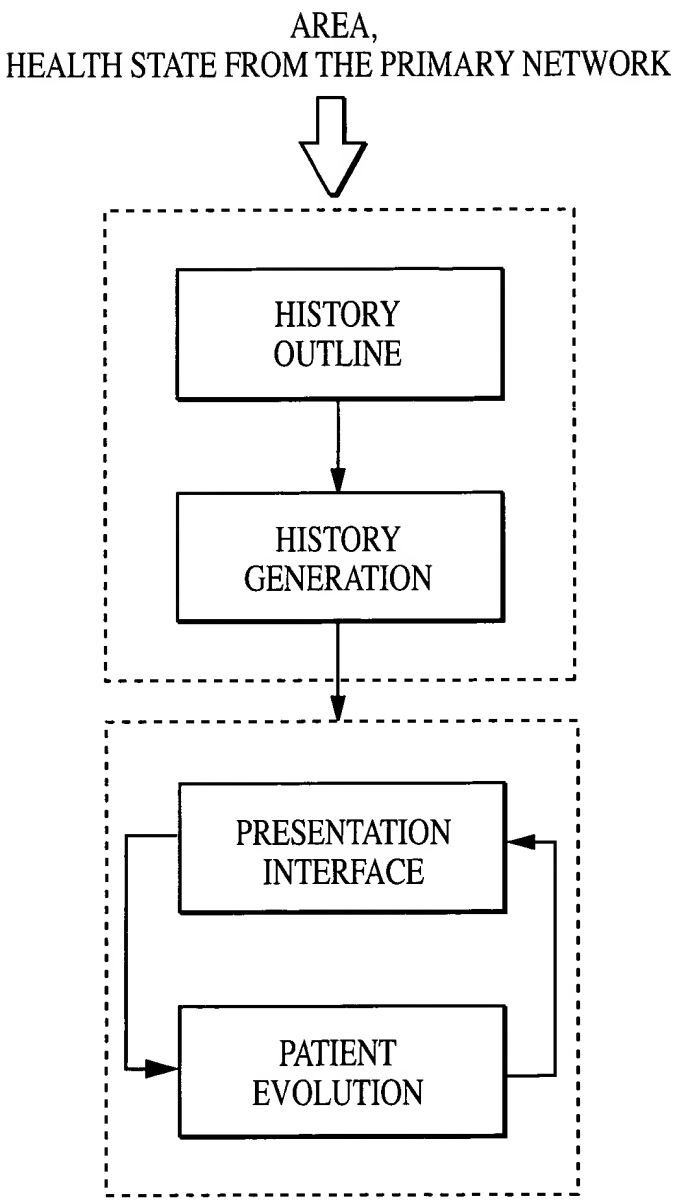

AREA,
HEALTH STATE FROM THE PRIMARY NETWORK
HISTORY OUTLINE
HISTORY GENERATION
PRESENTATION INTERFACE
PATIENT EVOLUTION

FIG. 4

FIG. 5

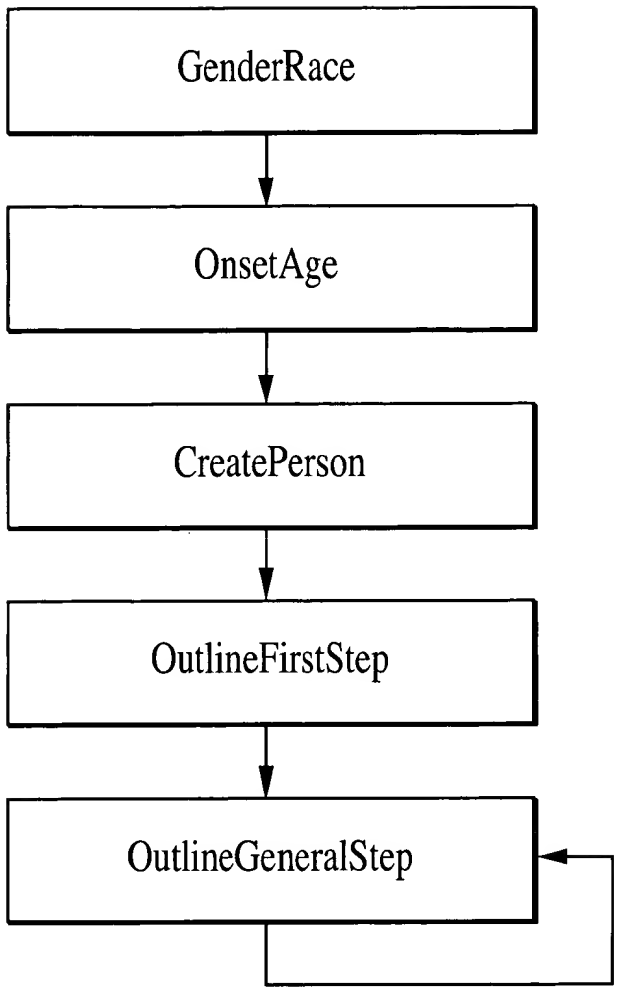
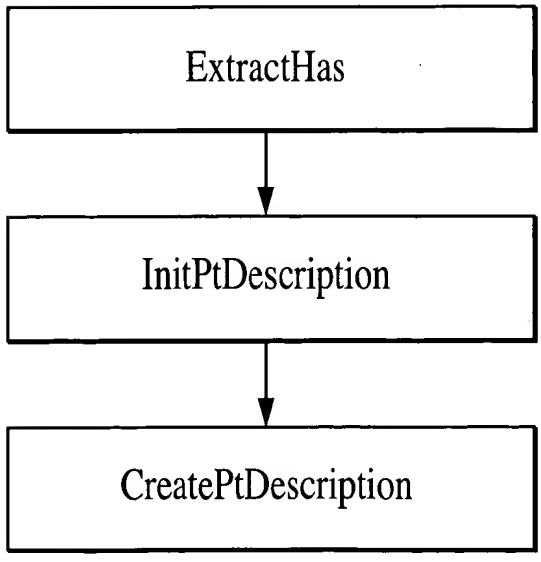

GenderRace
OnsetAge
CreatePerson
OutlineFirstStep
OutlineGeneralStep

FIG. 6


ExtractHas
InitPtDescription
CreatePtDescription

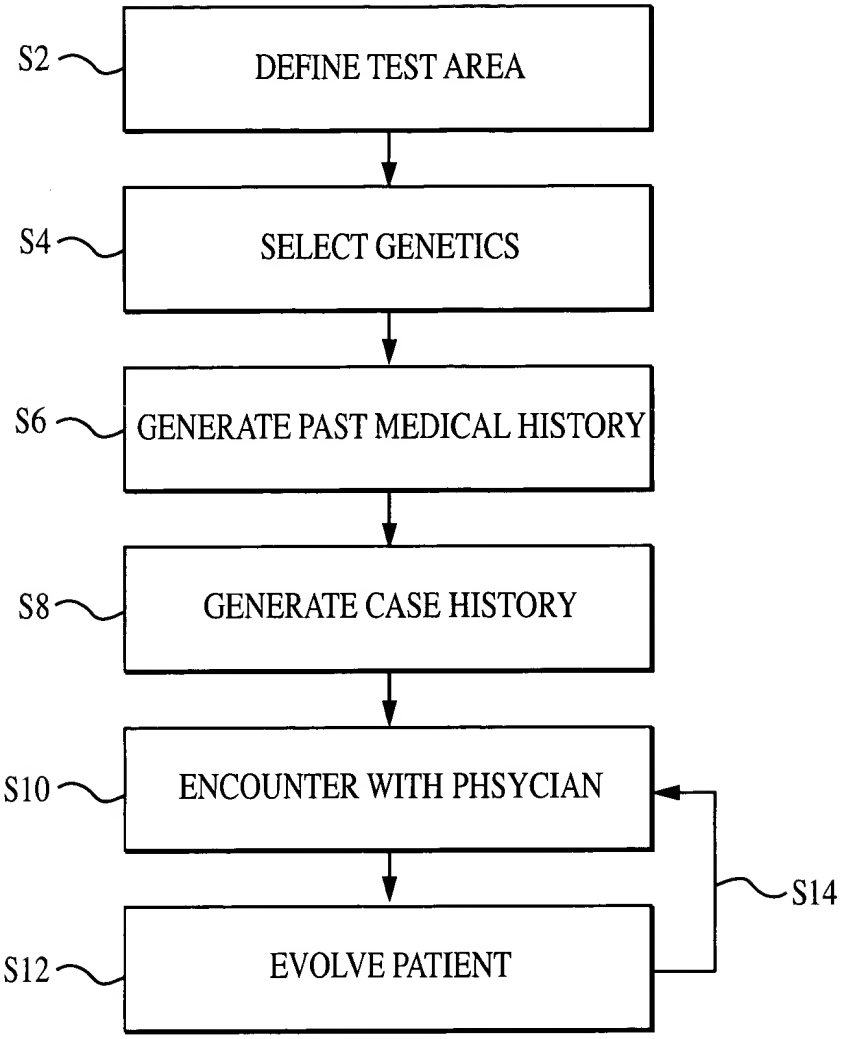

S2
DEFINE TEST AREA
S4
SELECT GENETICS
S6
GENERATE PAST MEDICAL HISTORY
S8
GENERATE CASE HISTORY
S10
ENCOUNTER WITH PHSYCIAN
S12
EVOLVE PATIENT
S14

FIG. 7

FIG. 8

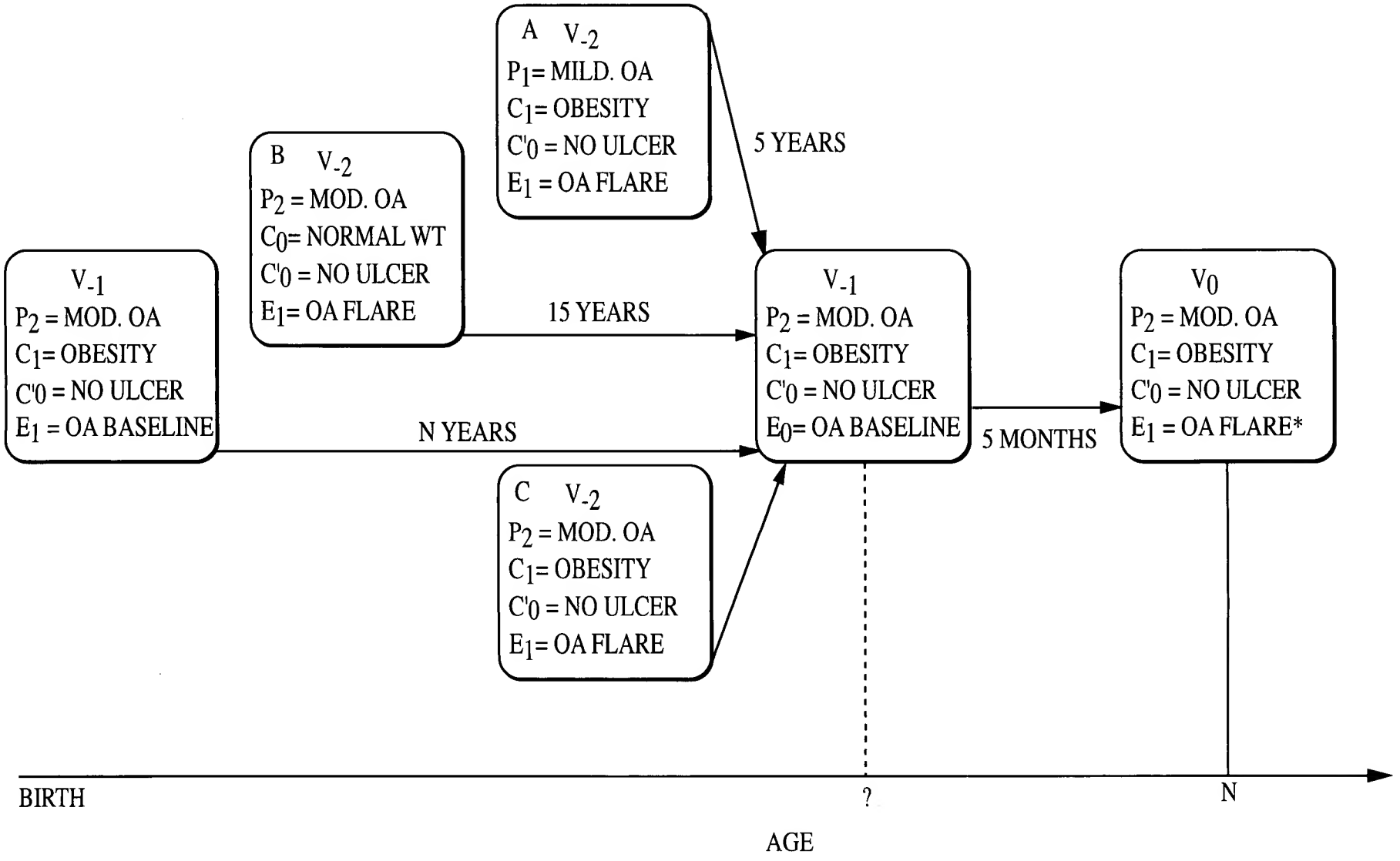
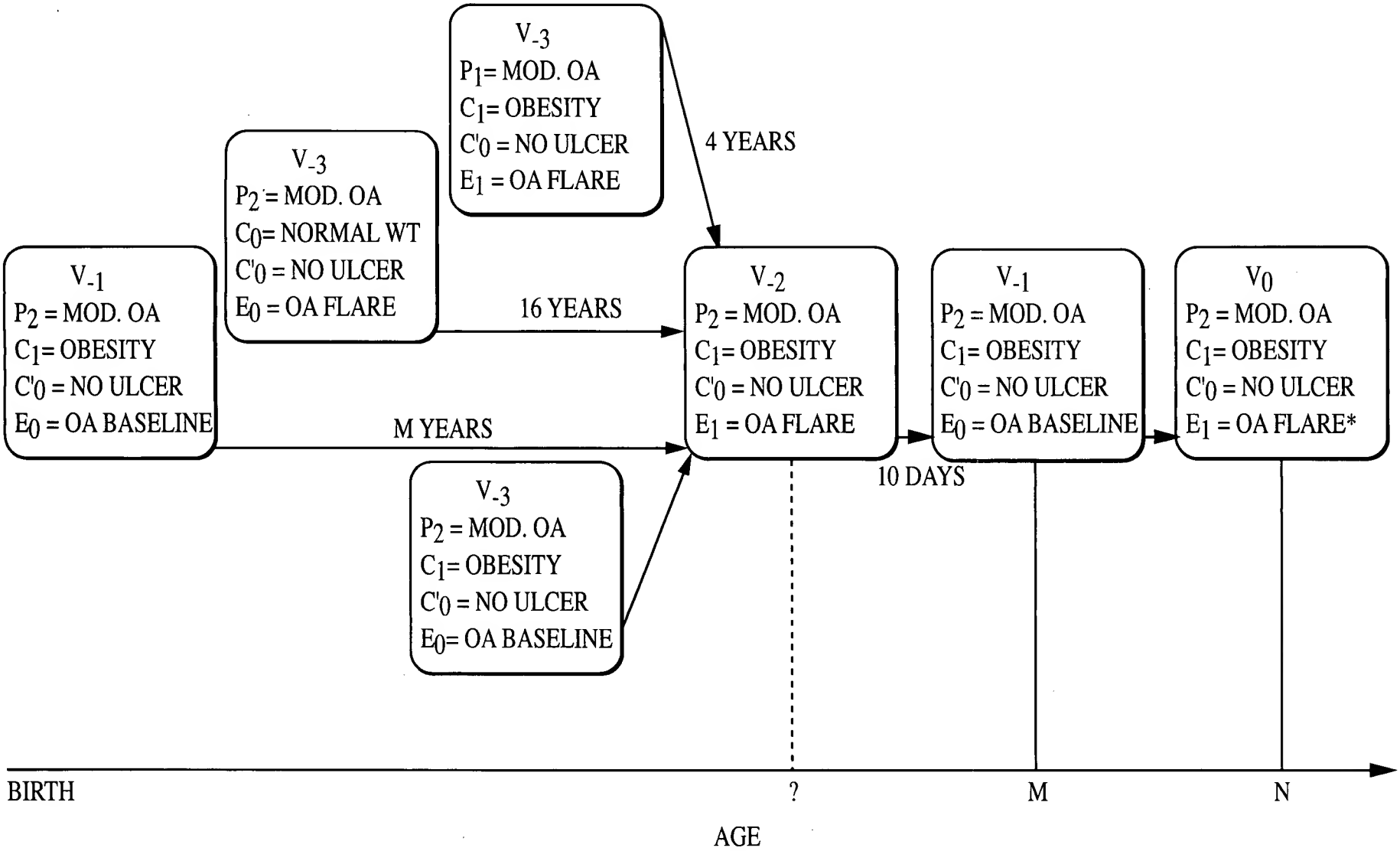

A V-2
P1= MILD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA FLARE
5 YEARS
B V-2
P2 = MOD. OA
C0= NORMAL WT
C'0 = NO ULCER
E1= OA FLARE
15 YEARS
V-1
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA BASELINE
N YEARS
V-1
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E0= OA BASELINE
5 MONTHS
V0
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA FLARE*
C V-2
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1= OA FLARE
BIRTH
?
N
AGE

FIG. 9


V-3
P1= MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA FLARE
4 YEARS
V-3
P2 = MOD. OA
C0= NORMAL WT
C'0 = NO ULCER
E0 = OA FLARE
16 YEARS
V-1
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E0 = OA BASELINE
M YEARS
V-2
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA FLARE
10 DAYS
V-1
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E0 = OA BASELINE
V0
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E1 = OA FLARE*
V-3
P2 = MOD. OA
C1= OBESITY
C'0 = NO ULCER
E0= OA BASELINE
BIRTH
?
M
N
AGE

FOSTER 5026260

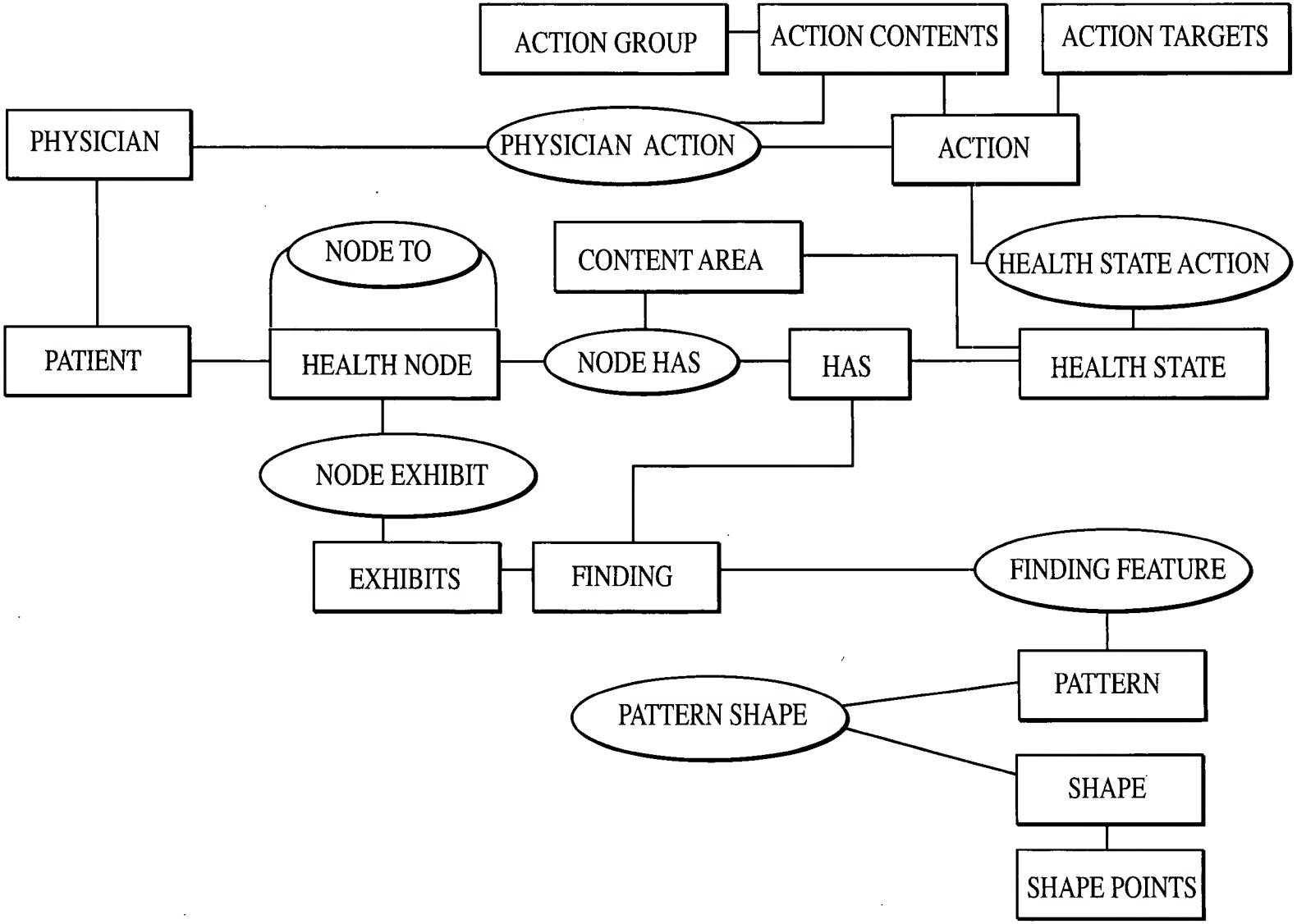



FIG. 10

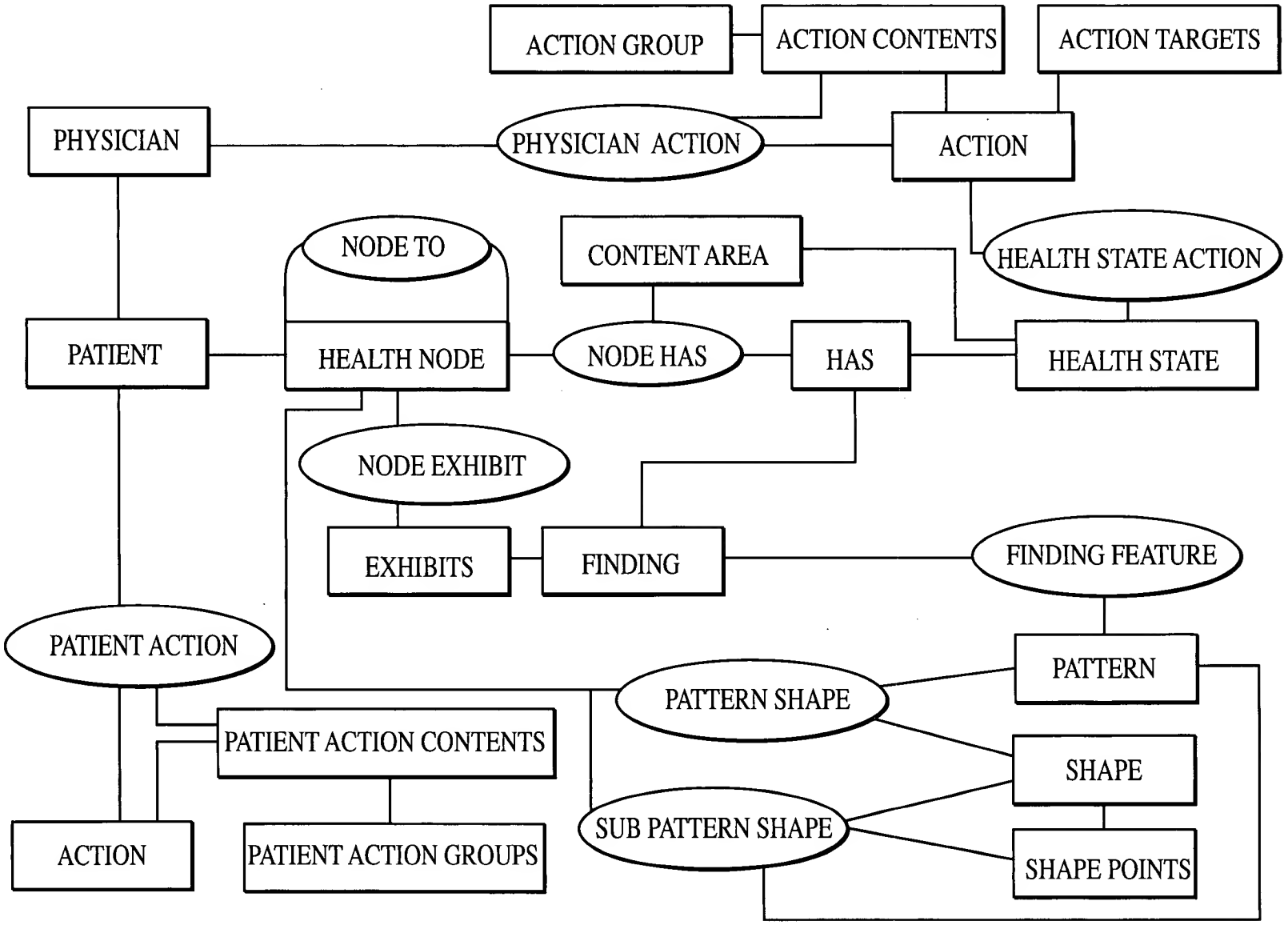

ACTION GROUP
ACTION CONTENTS
ACTION TARGETS
PHYSICIAN
PHYSICIAN ACTION
ACTION
NODE TO
CONTENT AREA
HEALTH STATE ACTION
PATIENT
HEALTH NODE
NODE HAS
HAS
HEALTH STATE
NODE EXHIBIT
EXHIBITS
FINDING
FINDING FEATURE
PATIENT ACTION
PATTERN
PATTERN SHAPE
PATIENT ACTION CONTENTS
SHAPE
SUB PATTERN SHAPE
SHAPE POINTS
ACTION
PATIENT ACTION GROUPS

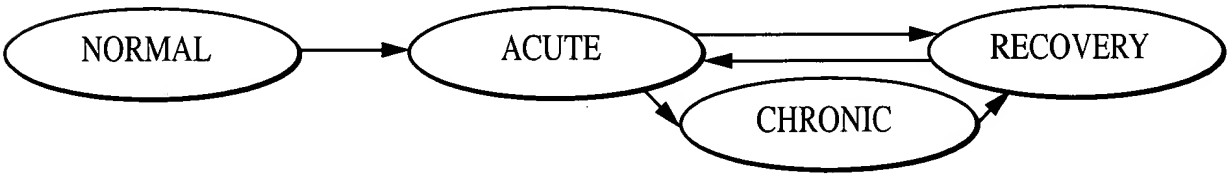
FIG. 11

STATIC NETWORK

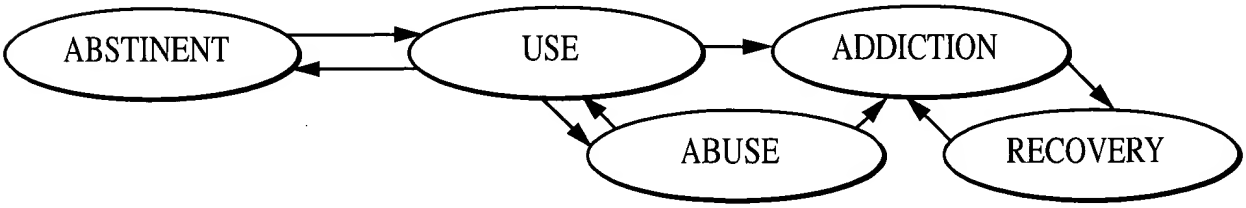
PROGRESSIVE NETWORK

REVERSIBLE NETWORK

INJURY NETWORK




ADDICTION NETWORK




"SURGICAL" INTERVENTION OVERLAY

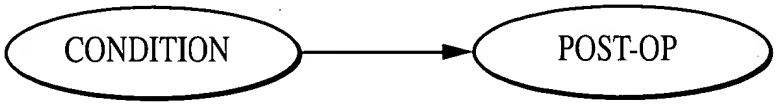



FIG. 12

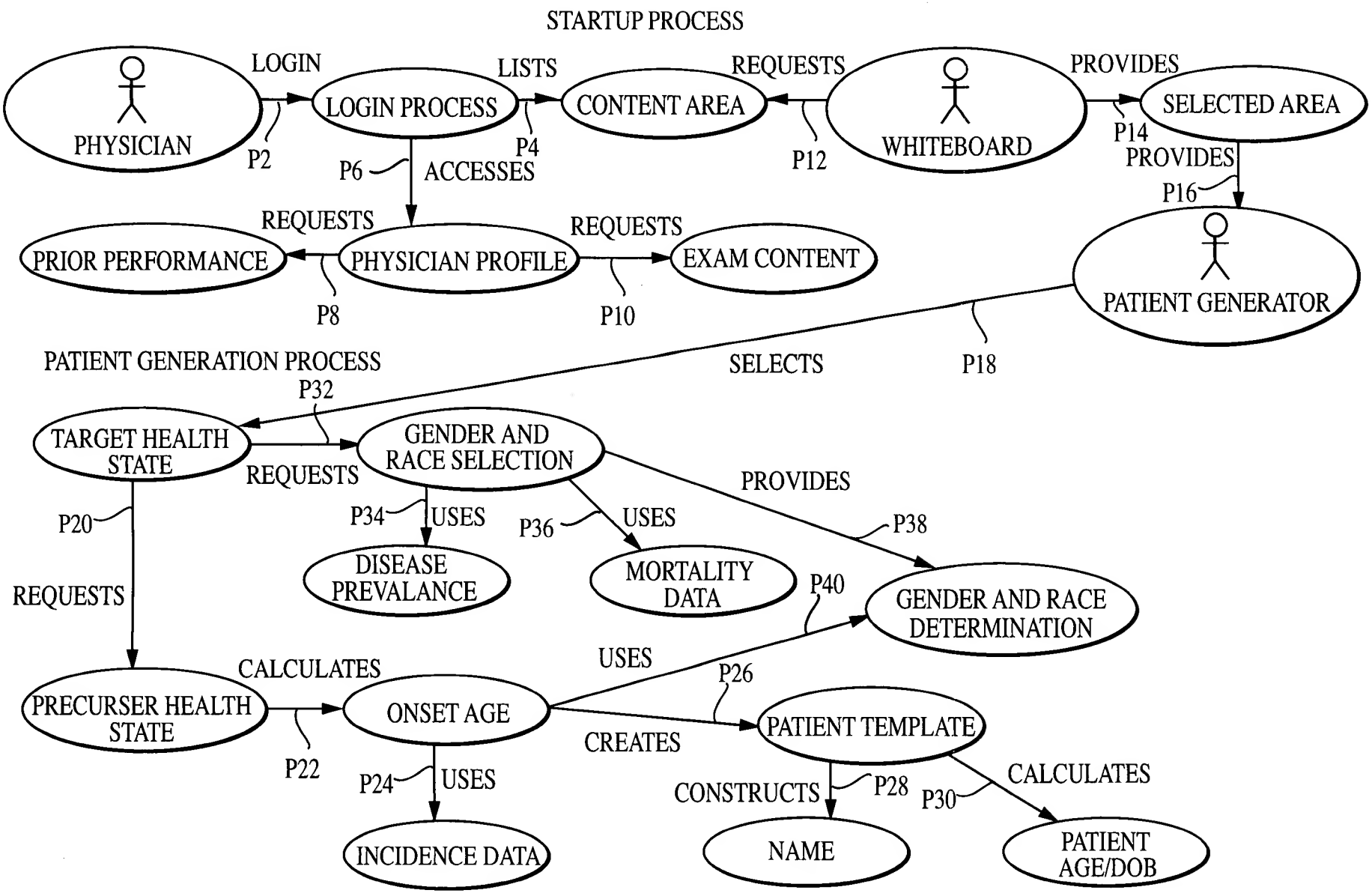

STARTUP PROCESS
PHYSICIAN
LOGIN
P2
LOGIN PROCESS
LISTS
P4
CONTENT AREA
REQUESTS
P12
WHITEBOARD
PROVIDES
P14
SELECTED AREA
P6
ACCESSES
PROVIDES
P16
REQUESTS
PRIOR PERFORMANCE
P8
PHYSICIAN PROFILE
REQUESTS
P10
EXAM CONTENT
PATIENT GENERATOR
PATIENT GENERATION PROCESS
SELECTS
P18
P32
TARGET HEALTH STATE
REQUESTS
GENDER AND RACE SELECTION
PROVIDES
P38
P20
P34
USES
DISEASE PREVALANCE
P36
USES
MORTALITY DATA
P40
GENDER AND RACE DETERMINATION
REQUESTS
CALCULATES
USES
P26
PRECURSER HEALTH STATE
P22
ONSET AGE
CREATES
PATIENT TEMPLATE
P24
USES
INCIDENCE DATA
CONSTRUCTS
P28
NAME
P30
CALCULATES
PATIENT AGE/DOB

FIG. 13

PATIENT GENERATION (CONTINUED)

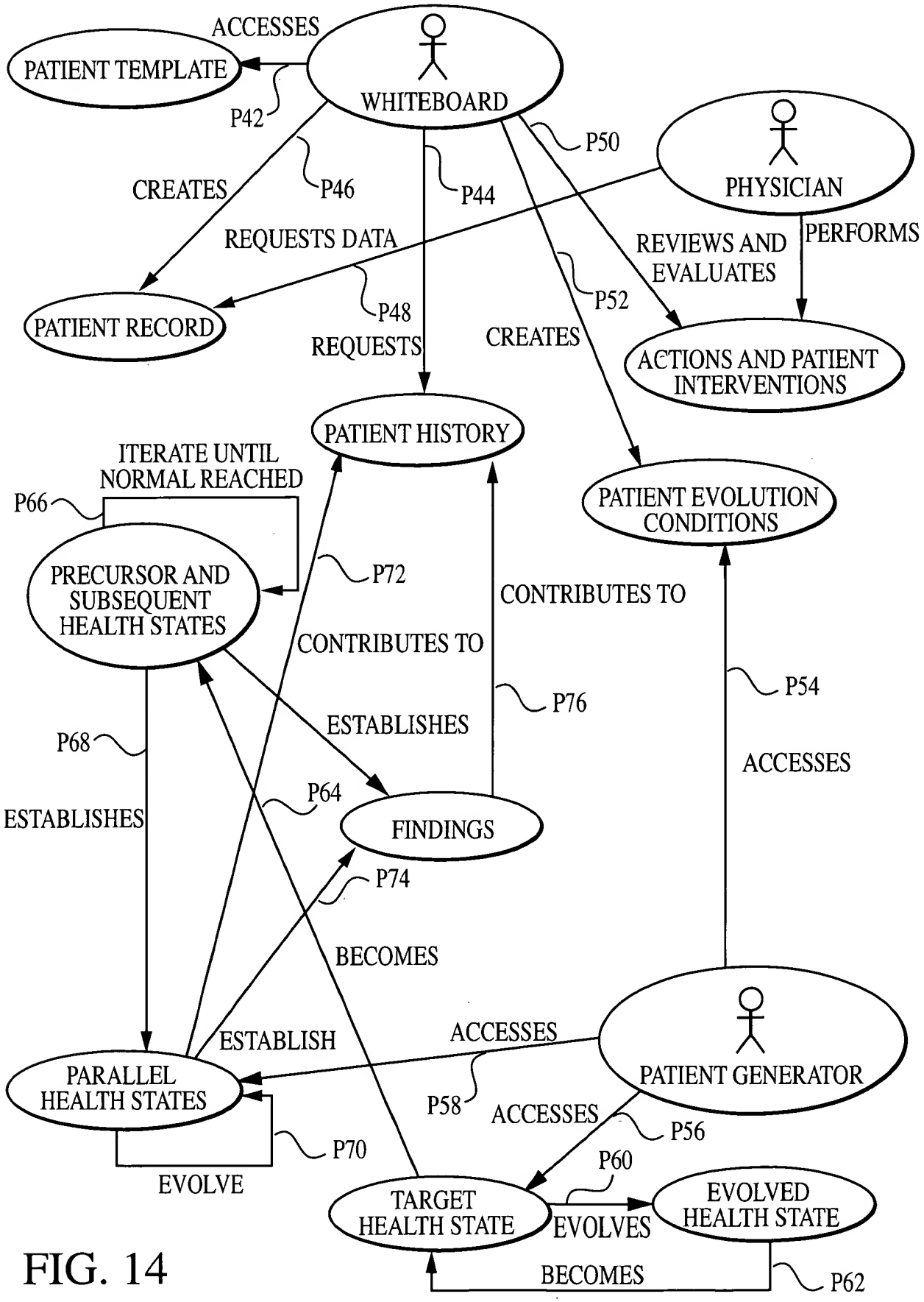



FIG. 14

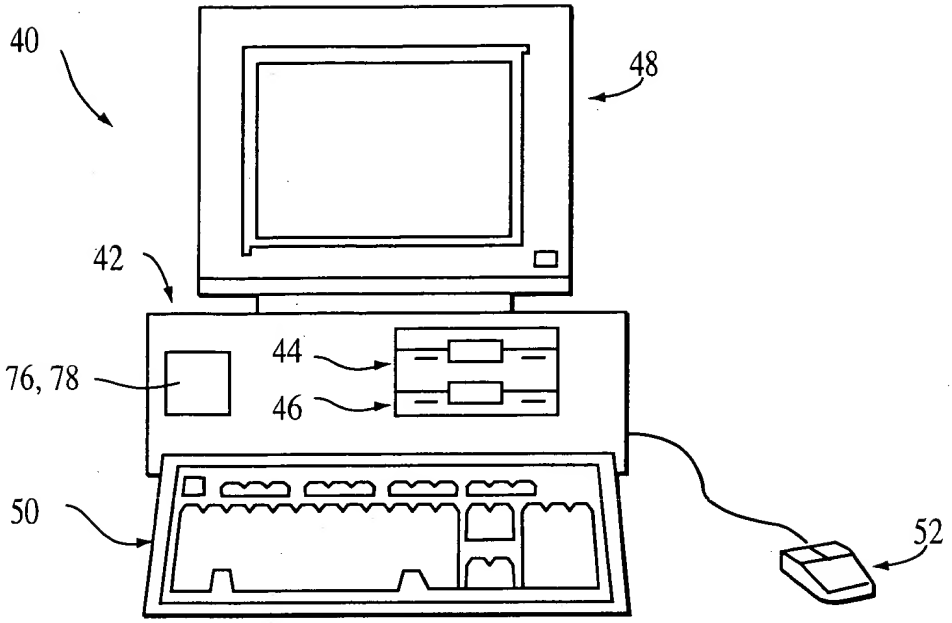

40
48
42
44
46
76, 78
50
52

FIG. 15

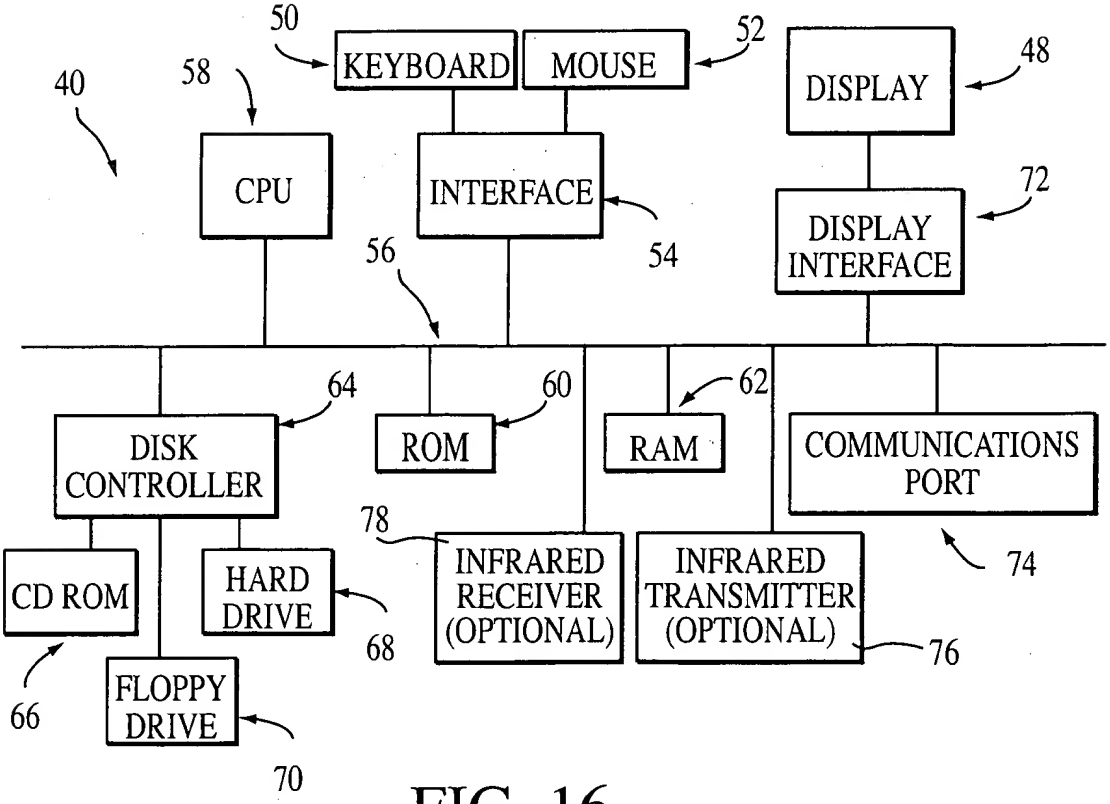

50
KEYBOARD
MOUSE
52
DISPLAY
48
40
58
CPU
INTERFACE
54
DISPLAY INTERFACE
72
56
64
60
62
DISK CONTROLLER
ROM
RAM
COMMUNICATIONS PORT
78
INFRARED RECEIVER (OPTIONAL)
INFRARED TRANSMITTER (OPTIONAL)
74
CD ROM
HARD DRIVE
68
76
66
FLOPPY DRIVE
70

FIG. 16

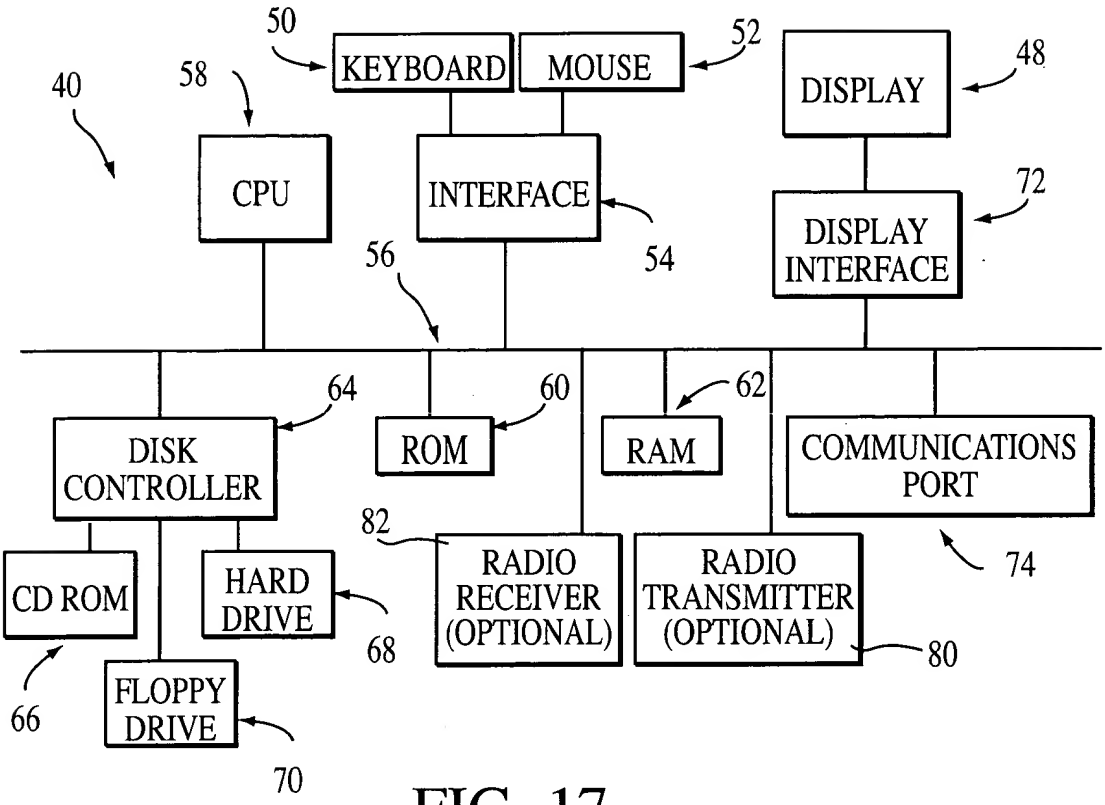

50
KEYBOARD
MOUSE
52
DISPLAY
48
40
58
CPU
INTERFACE
54
72
DISPLAY INTERFACE
56
64
60
62
DISK CONTROLLER
ROM
RAM
COMMUNICATIONS PORT
82
RADIO RECEIVER (OPTIONAL)
RADIO TRANSMITTER (OPTIONAL)
74
CD ROM
HARD DRIVE
68
80
66
FLOPPY DRIVE
70

FIG. 17

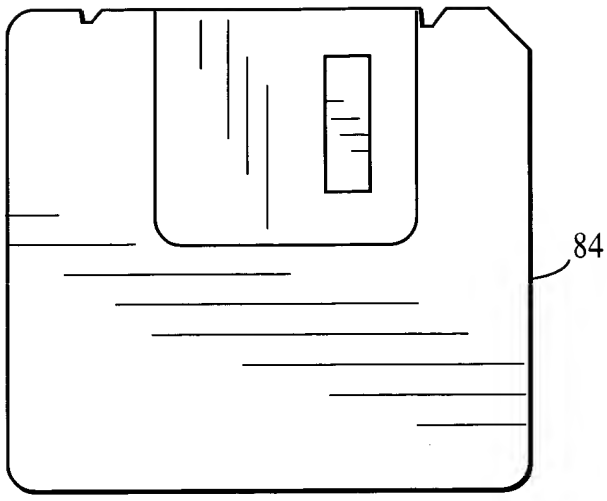



FIG. 18